,

Code:

## Description

The URBAN MASTER/SLAVE CCS solution consists of a combination of a smart Master charger that provides communications and has an RFID reader, 8" touchscreen and an optional bank card payment system that controls a set of Slaves.
With a compact and robust design and an aluminium enclosure for all types of environments, the Urban CCS is the fast-charging version of Circutor's venerable Urban line, with a DC charging power of 25 kW, thus sidestepping the power limitation imposed by chargers on board electric vehicles with AC charging.
The system as a whole works as if all the chargers were smart, either by connecting the Master to a manager via OCPP, or independently by setting up a white list of users for the group.

## Application

The Urban CCS range has been developed to offer a fast-charging solution in environments where there is no high-power electrical infrastructure, and where AC charging is insufficient. It is ideal for charging small fleets of electric
vehicles, dealerships, carsharing companies, small private car parks, etc., without making a major investment. This device can be installed on the wall or floor thanks to its two models (wallbox and post).



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## Specifications

### AC power supply

| | |
|---|---|
| Input intensity | 39 A |
| Power factor | > 0,98 |
| Frequency | 50 / 60 Hz |
| Type of network | 3Ph + N + GND |
| Nominal voltage | 400 V ~ (± 10 %) (480 V ~ bajo demanda) |

### Electrical characteristics

| | |
|---|---|
| Surge protection (DSP) | Optional |
| Overcurrent protection | MCB curve C (50 A) |
| Cable: Connector type | CCS Combo 1 (5.5-m cable length) |
| Max. output intensity (A) | 0 ... 70 cc |
| Charging mode | Mode 4 |
| No. of charges | 1 |
| Max. output power (kW) | 25 (cc) |
| Efficiency | 94% |
| Voltage | 150 ... 920 Vdc |

### Mechanical characteristics

| | |
|---|---|
| Size (mm) width x height x depth | 479 x 1750 x 288 (mm) |
| Envelope | Aluminium & ABS |
| Noise | < 55 dB |
| Weight (kg) | 75 |

### Environmental characteristics

| | |
|---|---|
| Protection class | IP 54 / IK10 |
| Relative humidity (without condensation) | 5 ... 95 % |
| Storage temperature | -40 ... +60 °C |
| Working temperature | -35 ... +45 °C |

### Standards

| | |
|---|---|
| Certifications | CE |
| Electrical safety, Installation category | CAT III 300 V |
| Standards | IEC 61851-1, IEC 61851-23, IEC 61851-21-2, CE / Combo, DIN 70121, ISO 15118, MID: Class 1 - EN 50470-3 |

### Communication Network

| | |
|---|---|
| Technology / Interface | Ethernet 10/100 Base TX (TCP/IP) |

### Electrical safety



Code:

| | |
|---|---|
| Insulation | Double-insulated electric shock protection class II (IEC 61010) |

**User interface**

| | |
|---|---|
| LED | RGB color charge indicator |

**Features / performance**

| | |
|---|---|
| Heating and air conditioning unit | -35 ... +45 °C (Opcional) |
| Energy measurement | AC electric energy meter in accordance with UNE-EN 50470 |

**Protection**

| | |
|---|---|
| Safety relay type (class) | RCD B |

**Output 1**

| | |
|---|---|
| Maximum current | 70 A |
| Maximum power | 25 kW |
| Voltage range | 150-920 Vcc |
| Connector type | CCS Combo 1 (CC) |
| Network type | DC |

**URBAN MASTER DC**
Intelligent charging posts, DC charging

| CODE | TYPE | No. Sockets | Output type | Connector type | Grid type |
|---|---|---|---|---|---|
| MASTER | | | | | |
| V10730. | URBAN MASTER CCS2 | 1 | 150 ... 920 Vcc - 70 A - 25 kW | CCS Combo 2 [FF] | Three-phase |
| V10731. | URBAN MASTER CCS1 | 1 | 150 ... 920 Vcc - 70 A - 25 kW | CCS Combo 1 [CC] | Three-phase |
| SLAVE | | | | | |
| V10741. | URBAN SLAVE CCS1 | 1 | 150 ... 920 Vcc - 70 A - 25 kW | CCS Combo 1 [CC] | Three-phase |



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